



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/620,273
Applicant: Collins, *et al.*
Filed: July 15, 2003
TC/A.AU.: Unassigned
Examiner: Unassigned

Confirmation No.: Unassigned

Docket No.: 07959.105018 COP 1000 DIV 5
Customer No.: 20786
Title: Radionuclide Labeling of Vitamin B₁₂ and Coenzymes Thereof

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

The citation of information on the attached Form PTO-1449, "List of Art Cited by Applicant" is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of reference nos. BP-BU and CM is enclosed; for all other cited references a copy was submitted previously with one of the following parent applications: 08/557,955, now issued as U.S. patent 5,739,313; and 09/626,213, now issued as U.S. patent 6,613,305. The Examiner's attention is drawn to U.S.S.N. 09/690,197, Collins *et al.*, filed October 16, 2000.

The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

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Respectfully submitted,

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Tisha Hardrick

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Substitute for form 1449A/PTO OCT 31 2003 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/620,273</td> </tr> <tr> <td>Filing Date</td> <td>July 15, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Collins, <i>et al.</i></td> </tr> <tr> <td>Group Art Unit</td> <td>Unassigned</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>07959.105018 COP 1000 DIV 5</td> </tr> </table>		Application Number	10/620,273	Filing Date	July 15, 2003	First Named Inventor	Collins, <i>et al.</i>	Group Art Unit	Unassigned	Examiner Name	Unassigned	Attorney Docket Number	07959.105018 COP 1000 DIV 5
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Sheet	1	of	4													

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
	AA	3,936,440		NATH	02-03-1976	
	AB	3,981,863		NISWENDER, <i>et al.</i>	09-21-1976	
	AC	4,209,614		BERNSTEIN, <i>et al.</i>	06-24-1980	
	AD	4,279,859		GUTCHO, <i>et al.</i>	07-21-1981	
	AE	4,283,342		YOLLES	08-11-1981	
	AF	4,301,140		FRANK, <i>et al.</i>	11-17-1981	
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	AH	5,308,606		WILSON, <i>et al.</i>	05-03-1994	
	AI	5,405,839		TORAYA, <i>et al.</i>	04-11-1995	
	AJ	5,428,023		RUSSELL-JONES, <i>et al.</i>	06-27-1995	
	AA	5,449,720		RUSSELL-JONES, <i>et al.</i>	09-12-1995	
	AK	5,548,064		RUSSELL-JONES, <i>et al.</i>	08-20-1996	
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	AN	5,739,313		COLLINS, <i>et al.</i>	04-01-1993	
	AO	5,807,832		RUSSELL-JONES, <i>et al.</i>	09-15-1998	
	AP	5,840,880		MORGAN, <i>et al.</i>	11-24-1998	
	AQ	5,869,465		MORGAN, <i>et al.</i>	02-09-1999	
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	AY	6,262,253		RUSSELL-JONES, <i>et al.</i>	07-17-2001	
	AZ	6,315,978		GRISSOM, <i>et al.</i>	11-13-01	
	AAA	6,613,305		COLLINS, <i>et al.</i>	09-02-2003	

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				Group Art Unit	Unassigned
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Sheet	2	of	4		

FOREIGN PATENT DOCUMENTS								
Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number	Kind Code ² (if known)				
	BA	EP	0005834		BERNSTEIN, <i>et al.</i>	12-12-1979		
	BB	JP	58-046027		AKIRA, <i>et al.</i>	09-14-1981		
	BC	EP	0069450		HOUTS	01-12-1983		
	BD	EP	0165716		OLSON, <i>et al.</i>	12-27-1985		
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	BG	WO	94/27613		RUSSELL-JONES, <i>et al.</i>	12-08-1994		
	BH	WO	94/27641		RUSSELL-JONES, <i>et al.</i>	12-08-1994		
	BI	WO	95/27723		MORGAN, <i>et al.</i>	10-19-1995		
	BJ	WO	96/31243		EDWARDS, <i>et al.</i>	10-10-1996		
	BK	WO	97/14711		MORGAN, <i>et al.</i>	04-24-1997		
	BL	WO	97/18231		COLLINS, <i>et al.</i>	05-22-1997		
	BM	WO	98/08859		GRISSOM, <i>et al.</i>	03-05-1998		
	BN	WO	99/65930		RUSSELL-JONES, <i>et al.</i>	12-23-1999		
	BO	WO	01/30967		GRISSOM, <i>et al.</i>	05-03-2001		
	BP	WO	01/28592		COLLINS, <i>et al.</i>	04-26-2001		
	BQ	WO	01/28595		COLLINS, <i>et al.</i>	04-26-2001		
	BR	WO	01/17694		COLLINS, <i>et al.</i>	12-06-2001		
	BS	WO	01/92288		COLLINS, <i>et al.</i>	12-06-2001		
	BT	WO	02/42318		COLLINS, <i>et al.</i>	05-30-2002		
	BU	WO	02/55530		COLLINS, <i>et al.</i>	07-18-2002		

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	BV	ALVAREZ, J., et al., "On a new radiopharmaceutical for kidney imaging", <i>Int'l J. of Applied Radiation and Isotopes</i> , 25, 283-284 (1974).	

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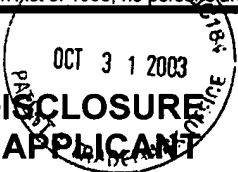
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	CA	AMAGASAKI, T., et al., "Expression of transcobalamin II receptors by human leukemia K562 and HL-60 cells", <i>Blood</i> , 76, 1380-1386 (October, 1990).	
	CB	ANDERSON, C.J., et al., "Preparation, biodistribution and dosimetry of copper-64-labeled anti-colorectal carcinoma monoclonal antibody fragments 1A3-F(ab') ₂ ", <i>J. Nuc. Med.</i> , 36, 850-858 (May 1985).	
	CC	ANTON, D.L., et al., "Carbon-13 nuclear magnetic resonance studies of the monocarboxylic acids of cyanocobalamin, assignments of the b-, d-, and 3-monomer carboxylic acids", <i>J. Am. Chem. Soc.</i> , 102, 2215-2219 (March, 1980)	
	CD	ANTON, D.L., et al., "The synthesis and properties of four spin-labeled analogs of adenosylcobalamin", <i>J. Biol. Chem.</i> , 255, 4507-4510 (May, 1980).	
	CE	BEGLEY, J.A., et al., "Cobalamin metabolism in cultured human chorionic villus cells", <i>J. Cell. Physiol.</i> , 156, 43-47 (1993).	
	CF	BLOMQUIST, L., et al., "Uptake of labeled vitamin B21 and 4-iodophenylalanine in some tumours of mice", <i>Experientia</i> , 25, 294, 296 (1969).	
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	CH	COOPERMAN, J.M., "Distribution of radioactive and nonradioactive vitamin B12 in normal and malignant tissues of an infant with neuroblastoma", <i>Cancer Research</i> , 32, 167-172 (January, 1972).	
	CI	COOPERMAN, J.M., et al., "Distribution of radioactive and nonradioactive vitamin B12 in the dog", <i>J. Biol. Chem.</i> , 235, 191-194 (January, 1960).	
	CJ	FLODTH, H., "Accumulation of labeled vitamin B12 in some transplanted tumours", in <i>Distribution and Kinetics of Labelled Vitamin B12</i> , <i>Acta Radiologica, Supplementum</i> 284, 55-60 (1968).	
	CK	FLODTH, et al., "Accumulation of labeled vitamin B12 in some transplanted tumours", <i>Int. J. Cancer</i> , 3, 694-499 (1968).	
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	CN	KOLLMER, W.E., et al., "On a new radiopharmaceutical for kidney imaging", <i>Int. J. Applied Radiation and Isotopes</i> , 25(6), 283-285 (1974).	
	CO	LINDEMANS, J., et al., "Uptake of transcobalamin II-bound cobalamin by HL-60 cells: effect of differentiation induction", <i>Experimental Cell Research</i> , 184, 449-460 (1989).	

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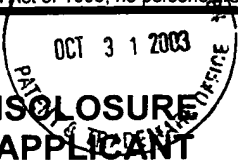
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	DA	PONTO, J.A., "II. Schilling Test", in <i>Pharmaceutical in Medical Imaging</i> , D.P. Swanson, et al., (eds.), MacMillan Publishing Co., Inc., New York, pp. 621-628 (1990).	
	DB	SMELTZER, et al., "Synthesis and characterization of fluorescent cobalamin (cobalafuor) derivatives for imaging, <i>Organic Letters</i> , 3(6), 799-801 (2001).	
	DC	VARES, Y.V., et al., "Kinetic of 57 Co-cyanocobalamin distribution in organs and tissues of mice with transplanted tumours", <i>Eksp. Onkol</i> , 8, Abstract, 33-36 (1986).	
	DD	WILBUR, et al., "Biotin Reagents for Antibody Pretargeting. 4. Selection of Biotin Conjugates for in Vivo Application Based on Their Dissociation Rate from Avidin and Streptavidin." <i>Bioconjugate Chem.</i> , 11(4), 569-583 (June 29, 2000).	
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	DG	WU, C., et al., "Investigation of N-linked macrocycles for 111In and 90Y labeling of proteins, <i>Nucl. Med. Biol.</i> , 19, 239-244 (1992).	

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